



1/A1 "TYPE B" BICYCLE RACK SCALE: 1"=1'-0"

| | | | | |
|---|------------|-----------------------|--|-------------|
| CITY of CHICAGO DEPARTMENT OF TRANSPORTATION | | BICYCLE RACK DETAILS | | Project No. |
| | | "TYPE B" BICYCLE RACK | | Sheet No. |
| Drawn | Scale | Date | | |
| | 1" = 1'-0" | | | |

Appendix B – Type B Rack Specifications and Drawing

ITEM 1 – CDOT9000020 BICYCLE RACK, TYPE B INSTALLED

Description.

Work under this item shall consist of furnishing and installing bicycle racks on existing sidewalks, as directed by the Commissioner. Work under this item shall be performed according to the current version of “Special Provision for Bicycle Racks,” Check Sheet 18 of the IDOT Supplemental Specifications and Recurring Special Provisions, except as herein modified.

Materials.

- (a) Structural Tubing. The bicycle rack shall be fabricated from square, hollow, structural tubing, in accordance with ASTM A500 Grade B. The steel tube shall be a continuous piece as shown on the plans. The steel tube shall not be welded in sections. Only the base plate shall be welded to the steel tube and the weld shall be continuous.
- (b) Fasteners. Expansion anchors shall be stainless steel mushroom head spikes 3/8 in. (10 mm) diameter x 4 in. (100 mm) long according to ASTM A193.
- (c) Base plates. Base plates shall be fabricated from steel plate, 3/8" thick, in accordance with ASTM A36.
- (d) Concrete pad. Concrete pads will not be required as racks will be installed in existing concrete.

Submittals.

- (a) QC/QA Requirements. The contractor shall provide a Manufacturer's written certification that all materials comply with these specifications.
- (b) Samples. The contractor shall submit a complete bicycle rack assembly with finish coat and requisite fasteners.

Coating of Bicycle Racks.

- (a) The complete bicycle rack assembly, including the structural tubing and base plates, shall be shot blast to near white steel and then galvanized according to ASTM A123.

Measurement and Basis of Payment.

This work will be paid for at the contract unit price for each 'BICYCLE RACK, TYPE B' and shall include the cost of furnishing, installing, and mounting hardware.